

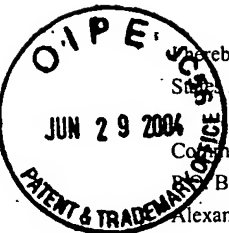


TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>		Application Number	10/766,134
		Filing Date	January 27, 2004
		First Named Inventor	Serbedzija, George N.
		Art Unit	Not yet assigned
		Examiner Name	Not yet assigned
Total Number of Pages in This Submission		Attorney Docket Number	018852-000610US

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Postcard
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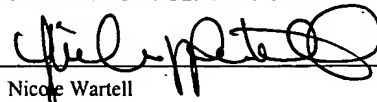
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PATENT
Attorney Docket No.: 018852-000610US

On June 25, 2004

TOWNSEND and TOWNSEND and CREW LLP

By: 
Nicole Wartell

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

George N. Serbedzija

Application No.: 10/766,134

Filed: January 27, 2004

For: METHODS FOR INTRODUCING
HETEROLOGOUS CELLS INTO FISH

Examiner: Not yet assigned

Art Unit: 1645

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. This application is a divisional of and relies upon U.S. Patent Application No. 09/451,489, filed November 30, 1999 (Attorney Docket No. 018852-000600US) for an earlier effective filing date under 35 U.S.C. §120. In accordance with 37 CFR §1.98(d), all of the references have been previously submitted to or cited by the Office in the parent application, and are therefore are not enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references

be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Scott L. Ausenhus
Reg. No. 42,271

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60161608 v1



INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	10/766,134		
		Filing Date	01-27-2004		
		First Named Inventor	Serbedzija, George N.		
		Art Unit	1645		
		Examiner Name	Not yet assigned		
Sheet	1	of	7	Attorney Docket Number	018852-000610US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
	A1	US-4,220,858	09-02-1980	Ikeguchi et al.	
	A2	US-4,286,983	09-01-1981	Van Gilse et al.	
	A3	US-4,816,392	03-28-1989	Hokama	
	A4	US-4,964,615	10-23-1990	Mueller et al.	
	A5	US-5,326,692	07-05-1994	Brinkley et al.	
	A6	US-5,491,084	02-13-1996	Chalfie et al.	
	A7	US-5,506,208	04-09-1996	Eyal et al.	
	A8	US-5,510,099	04-23-1996	Short et al.	
	A9	US-5,565,187	10-15-1996	Zikria et al.	
	A10	US-5,573,909	11-12-1996	Singer et al.	
	A11	US-5,658,751	08-19-1997	Yue et al.	
	A12	US-5,672,470	09-30-1997	Hengstenberg et al.	
	A13	US-5,681,703	10-28-1997	Tomei	
	A14	US-5,744,499	04-28-1998	Quash et al.	
	A15	US-5,932,418	08-03-1999	Yager	
	A16	US-5,981,218	11-09-1999	Rio et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	B1	GB	2 080 948	A	02-10-1982			<input type="checkbox"/>
	B2	PCT	WO 96/03034		02-08-1996			<input type="checkbox"/>
	B3	PCT	WO 98/31787		07-23-1998			<input type="checkbox"/>

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60161608 v1

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NON PATENT LITERATURE DOCUMENTS			
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	C1	Amsterdam et al., "Requirements for green fluorescent protein detection in transgenic zebrafish embryos", <u>Gene</u> , 173: 99-103 (1996).	
	C2	Armant et al., "Exposure of Embryonic Cells to Alcohol: Contrasting Effects During Preimplantation and Postimplantation Development", <u>Seminars in Perinatology</u> , 20(2): 127-139 (April 1996).	
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	C4	Baumann et al., "Bipartite Axiation Follows Incomplete Epiboly in Zebrafish Embryos Treated With Chemical Teratogens", <u>The Journal of Experimental Zoology</u> , 230: 363-376 (1984).	
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	C29	Feucht et al., "VEGF Induces Cardiovascular Malformation and Embryonic Lethality", <u>Am. J. Pathology</u> , 151(5):1407-1416 (November 1997).	
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	C32	Fouquet et al., "Vessel Patterning in the Embryo of the Zebrafish: Guidance by Notochord", <u>Developmental Biology</u> , 183: 37-48 (1997).	
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	C34	Gavrieli et al., "Identification of Programmed Cell Death In Situ via Specific Labeling of Nuclear DNA Fragmentation", <u>J. Cell Biol.</u> , 119(3): 493-501 (November 1992).	
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	C46	Kallman et al. "Genetics of Tissue Transplantation in Isolated Platyfish Populations", <u>Copeia</u> , 1964, pp. 512-522.	

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	C47	Kerbel, "A cancer therapy resistant to resistance", <u>Nature</u> , 390: 335-336 (November 27, 1997).	
	C48	Kerr et al., "Apoptosis: A Basic Biological Phenomenon With Wide-Ranging Implications in Tissue Kinetics", <u>Br. J. Cancer</u> , 26: 239-257 (1972).	
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	C50	Knight, "Adverse Drug Reactions in Neonates", <u>J. Clin. Pharmacol.</u> , 34: 128-135 (1994).	
	C51	Law et al., "Hepatotoxicity of the drinking water disinfection by-product, dichloroacetic acid, in the medaka small fish model", <u>Toxicol. Letters</u> , 94: 19-27 (1998).	
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	C55	Losordo et al., "Gene Therapy for Myocardial Angiogenesis: Initial Clinical Results With Direct Myocardial Injection of phVEGF ₁₆₅ as Sole Therapy for Myocardial Ischemia", <u>Circulation</u> , 98: 2800-2804 (1998).	
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	C61	Mundle et al., "Two <i>in Situ</i> Labeling Techniques Reveal Different Patterns of DNA Fragmentation during Spontaneous Apoptosis <i>In Vivo</i> and Induced Apoptosis <i>In Vitro</i> ", <u>Anticancer Res.</u> , 15: 1895-1904 (1995).	
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	C63	Ozato et al., "Production of transgenic fish: introduction and expression of chicken -crystallin gene in medaka embryos," <u>Cell Differentiation</u> , 19:237-244 (1986).	
	C64	Relou et al., "Effect of culture conditions on endothelial cell growth and responsiveness", <u>Tissue & Cell</u> , 30(5): 525-530 (1998).	
	C65	Rivard et al., "Age-Dependent Impairment of Angiogenesis", <u>Circulation</u> , 99: 111-120 (1999).	
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	C73	Semino et al., "Expression of <i>Rhizobium</i> Chitin Oligosaccharide Fucosyltransferase in Zebrafish Embryos Disrupts Normal Development", <u>Annals New York Academy of Sciences</u> , 842: 49-54 (1998).	
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	C75	Singer, "Sensitive Fluorescent Stains for Detecting Nucleic Acids in Gels and Solutions", <u>Biotechnol. Intl.</u> , 1: 267-276 (1997).	
	C76	Stainier et al., "Mutations affecting the formation and function of the cardiovascular system in the zebrafish embryo", <u>Development</u> , 123: 285-292 (1996).	
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Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/766,134	
			Filing Date	01-27-2004	
			First Named Inventor	Serbedzija, George N.	
			Art Unit	1645.	
			Examiner Name	Not yet assigned	
Sheet	7	of	7	Attorney Docket Number	018852-000610US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C79	Stringer et al., "Rapid Measurement of Toxicity Using Electrochromic Dyes and Frog Embryos", <u>Bull. Environ. Contam. Toxicol.</u> , 51: 557-563 (1993).	
	C80	Thompson, C.B., "Apoptosis in the Pathogenesis and Treatment of Disease", <u>Science</u> , 267: 1456-1462 (March 10, 1995).	
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	C82	Turk et al., "Synthetic Analogues of TNP-470 and Ovalicin Reveal a Common Molecular Basis for Inhibition of Angiogenesis and Immunosuppression", <u>Bioorganic & Medicinal Chemistry</u> , 6: 1163-1169 (1998).	
	C83	Ungvary et al., "Combined Embryotoxic Action of Toluene, a Widely Used Industrial Chemical, and Acetylsalicylic Acid (Aspirin)", <u>Teratology</u> , 27: 261-269 (1983).	
	C84	Van Leeuwen et al., "Fish Embryos as Teratogenicity Screens: A Comparison of Embryotoxicity between Fish and Birds", <u>Ecotoxicol. Environ. Safety</u> , 20: 42-52 (1990).	
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	C86	Westerfield, <u>The Zebrafish Book: A Guide for the Laboratory Use of Zebrafish (<i>Danio rerio</i>)</u> , 3d edition, (1993).	
	C87	Wylie, Zebrafish Issue, Title page and Table of Contents, <i>i-ii</i> , <u>Development</u> , 123: 1-481 (1996).	
	C88	Wolff et al., "Dexamethasone Increases Hepatotoxicity of MTX in Children with Brain Tumors," <u>Anticancer Res.</u> , 18: 2895-2900 (1998).	
	C89	Zetter, "Angiogenesis and Tumor Metastasis", <u>Annual Rev. Med.</u> , 49: 407-424 (1998).	

Examiner Signature		Date Considered	
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